

PC/09 114

Serial Number:

09/936,677

Edited by:

Verified by:

D

(STIC stat)

Changed a file from non-ASCII to ASCII

ENTERED

Changed the margins in cases where the sequence text was 'wrapped' down to the next line.

Edited a format error in the Current Application Data section, specifically:

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____

Added the mandatory heading and subheadings for 'Current Application Data'.

Edited the 'Number of Sequences' field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ-ID NO when obviously incorrect. The sequence numbers that were edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included: ..

Deleted extra, invalid, headings used by an applicant, specifically:

Deleted: non-ASCII 'garbage' at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____

Inserted mandatory headings, specifically:

Corrected an obvious error in the response, specifically:

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A 'Hard Page Break' code was inserted by the applicant. All occurrences had to be deleted.

Deleted ending stop codon in amino acid sequences and adjusted the '(A)Length:' field accordingly (error due to a PatentIn bug). Sequences corrected:

Other:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/936,677

DATE: 10/23/2001
TIME: 13:31:57

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\10232001\I936677.raw

3 <110> APPLICANT: LIBON Christine
 4 CORVAIA Nathalie
 5 BECK Alain
 6 BONNEFOY Jean-Yves
 8 <120> TITLE OF INVENTION: IMMUNOSTIMULATING BACTERIAL MEMBRANE FRACTIONS IN CANCER
 9 TREATMENT
 11 <130> FILE REFERENCE: D17974
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/936,677
 C--> 13 <141> CURRENT FILING DATE: 2001-09-14
 13 <150> PRIOR APPLICATION NUMBER: FR 99 03 154
 14 <151> PRIOR FILING DATE: 1999-03-15
 16 <150> PRIOR APPLICATION NUMBER: PCT/FR00/00623
 17 <151> PRIOR FILING DATE: 2000-03-15
 19 <160> NUMBER OF SEQ ID NOS: 4
 21 <170> SOFTWARE: PatentIn Vers. 2.0
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 1035
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Klebsiella pneumoniae
 28 <220> FEATURE:
 29 <221> NAME/KEY: exon
 30 <222> LOCATION: (1)..(1032)
 32 <220> FEATURE:
 33 <221> NAME/KEY: intron
 34 <222> LOCATION: (1033)..(1035)
 36 <220> FEATURE:
 37 <221> NAME/KEY: CDS
 38 <222> LOCATION: (1)..(1032)
 40 <400> SEQUENCE: 1
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 42 Met Lys Ala Ile Phe Val Leu Asn Ala Ala Pro Lys Asp Asn Thr Trp
 43 1 5 10 15
 45 tat gca ggt ggt aaa ctg ggt tgg tcc cag tat cac gac acc ggt ttc 96
 46 Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe
 47 20 25 30
 49 tac ggt aac ggt ttc cag aac aac ggt ccg acc cgt aac gat cag 144
 50 Tyr Gly Asn Gly Phe Gln Asn Asn Gly Pro Thr Arg Asn Asp Gln
 51 35 40 45
 53 ctt ggt gct ggt gcg ttc ggt ggt tac cag gtt aac ccg tac ctc ggt 192
 54 Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly
 55 50 55 60
 57 ttc gaa atg ggt tat gac tgg ctg ggc cgt atg gca tat aaa ggc agc 240
 58 Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
 59 65 70 75 80
 61 gtt gac aac ggt gct ttc aaa gct cag ggc gtt cag ctg acc gct aaa 288
 62 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
 63 85 90 95

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65	ctg	ggt	tac	ccg	atc	act	gac	gat	ctg	gac	atc	tac	acc	cgt	ctg	ggc	336
66	Leu	Gly	Tyr	Pro	Ile	Thr	Asp	Asp	Leu	Asp	Ile	Tyr	Thr	Arg	Leu	Gly	
67				100				105							110		
69	ggc	atg	gtt	tgg	ccg	gct	gac	tcc	aaa	ggc	aac	tac	gct	tct	acc	ggc	384
70	Gly	Met	Val	Trp	Arg	Ala	Asp	Ser	Lys	Gly	Asn	Tyr	Ala	Ser	Thr	Gly	
71				115				120							125		
73	gtt	tcc	cgt	agc	gaa	cac	gac	act	ggc	gtt	tcc	cca	gta	ttt	gct	ggc	432
74	Val	Ser	Arg	Ser	Glu	His	Asp	Thr	Gly	Val	Ser	Pro	Val	Phe	Ala	Gly	
75				130				135							140		
77	ggc	gta	gag	tgg	gct	gtt	act	cgt	gac	atc	gct	acc	cgt	ctg	gaa	tac	480
78	Gly	Val	Glu	Trp	Ala	Val	Thr	Arg	Asp	Ile	Ala	Thr	Arg	Leu	Glu	Tyr	
79	145				150				155						160		
81	cag	tgg	gtt	aac	aac	atc	ggc	gac	gct	ggc	act	gtg	ggt	acc	cgt	cct	528
82	Gln	Trp	Val	Asn	Asn	Ile	Gly	Asp	Ala	Gly	Thr	Val	Gly	Thr	Arg	Pro	
83				165				170							175		
85	gat	aac	ggc	atg	ctg	agc	ctg	ggc	gtt	tcc	tac	cgc	tcc	ggt	cag	gaa	576
86	Asp	Asn	Gly	Met	Leu	Ser	Leu	Gly	Val	Ser	Tyr	Arg	Phe	Gly	Gln	Glu	
87				180				185							190		
89	gat	gct	gca	ccg	gtt	gtt	gct	ccg	gct	ccg	gct	ccg	gaa	gtg		624	
90	Asp	Ala	Ala	Pro	Val	Val	Ala	Pro	Ala	Pro	Ala	Pro	Ala	Pro	Glu	Val	
91				195				200							205		
93	gct	acc	aag	cac	tcc	acc	ctg	aag	tct	gac	gtt	ctg	tcc	aac	tcc	aac	672
94	Ala	Thr	Lys	His	Phe	Thr	Leu	Lys	Ser	Asp	Val	Leu	Phe	Asn	Phe	Asn	
95				210				215							220		
97	aaa	gct	acc	ctg	aaa	ccg	gaa	ggt	cag	cag	gct	ctg	gat	cag	ctg	tac	720
98	Lys	Ala	Thr	Leu	Lys	Pro	Glu	Gly	Gln	Gln	Ala	Leu	Asp	Gln	Leu	Tyr	
99	225				230				235						240		
101	act	cag	ctg	agc	aac	atg	gat	ccg	aaa	gac	ggt	tcc	gct	gtt	gtt	ctg	768
102	Thr	Gln	Leu	Ser	Asn	Met	Asp	Pro	Lys	Asp	Gly	Ser	Ala	Val	Val	Leu	
103				245				250							255		
105	ggc	tac	acc	gac	cgc	atc	ggt	tcc	gaa	gct	tac	aac	cag	cag	ctg	tct	816
106	Gly	Tyr	Thr	Asp	Arg	Ile	Gly	Ser	Glu	Ala	Tyr	Asn	Gln	Gln	Leu	Ser	
107				260				265							270		
109	gag	aaa	cgt	gct	cag	tcc	gtt	gac	tac	ctg	gtt	gct	aaa	ggc	atc		864
110	Glu	Lys	Arg	Ala	Gln	Ser	Val	Val	Asp	Tyr	Leu	Val	Ala	Lys	Gly	Ile	
111				275				280							285		
113	ccg	gct	ggc	aaa	atc	tcc	gct	cgc	ggc	atg	ggt	gaa	tcc	aac	ccg	gtt	912
114	Pro	Ala	Gly	Lys	Ile	Ser	Ala	Arg	Gly	Met	Gly	Glu	Ser	Asn	Pro	Val	
115				290				295							300		
117	act	ggc	aac	acc	tgt	gac	aac	gtg	aaa	gct	cgc	gct	gcc	ctg	atc	gat	960
118	Thr	Gly	Asn	Thr	Cys	Asp	Asn	Val	Lys	Ala	Arg	Ala	Ala	Leu	Ile	Asp	
119	305				310				315						320		
121	tgc	ctg	gct	ccg	gat	cgt	cgt	gta	gag	atc	gaa	gtt	aaa	ggc	tac	aaa	1008
122	Cys	Leu	Ala	Pro	Asp	Arg	Arg	Val	Glu	Ile	Glu	Val	Lys	Gly	Tyr	Lys	
123				325				330							335		
125	gaa	gtt	gta	act	cag	ccg	gct	ggg	taa								1035
126	Glu	Val	Val	Thr	Gln	Pro	Ala	Gly									
127				340													
130	<210>	SEQ	ID	NO:	2												

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Input Set : A:\PTO.AMC.txt
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131 <211> LENGTH: 344
 132 <212> TYPE: PRT
 133 <213> ORGANISM: Klebsiella pneumoniae
 135 <400> SEQUENCE: 2
 136 Met Lys Ala Ile Phe Val Leu Asn Ala Ala Pro Lys Asp Asn Thr Trp
 137 1 5 10 15
 139 Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe
 140 20 25 30
 142 Tyr Gly Asn Gly Phe Gln Asn Asn Asn Gly Pro Thr Arg Asn Asp Gln
 143 35 40 45
 145 Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly
 146 50 55 60
 148 Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
 149 65 70 75 80
 151 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
 152 85 90 95
 154 Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly
 155 100 105 110
 157 Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly
 158 115 120 125
 160 Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly
 161 130 135 140
 163 Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr
 164 145 150 155 160
 166 Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro
 167 165 170 175
 169 Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu
 170 180 185 190
 172 Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Ala Pro Glu Val
 173 195 200 205
 175 Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn
 176 210 215 220
 178 Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr
 179 225 230 235 240
 181 Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu
 182 245 250 255
 184 Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser
 185 260 265 270
 187 Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile
 188 275 280 285
 190 Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val
 191 290 295 300
 193 Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp
 194 305 310 315 320
 196 Cys Leu Ala Pro Asp Arg Arg Val Glu Ile Glu Val Lys Gly Tyr Lys
 197 325 330 335
 199 Glu Val Val Thr Gln Pro Ala Gly
 200 340
 203 <210> SEQ ID NO: 3

RAW SEQUENCE LISTING
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Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\10232001\I936677.raw

204 <211> LENGTH: 303
205 <212> TYPE: DNA
206 <213> ORGANISM: Klebsiella pneumoniae
208 <220> FEATURE:
209 <221> NAME/KEY: CDS
210 <222> LOCATION: (1)..(303)
212 <400> SEQUENCE: 3
213 acc gtg aaa acc aaa aac acc acg acc acc cag acc cag ccg agc aaa 48
214 Thr Val Lys Thr Lys Asn Thr Thr Thr Gln Thr Gln Pro Ser Lys
215 1 5 10 15
217 ccg acc acc aaa cag cgt cag aac aaa ccg ccg aac aaa ccg aac aac 96
218 Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro Pro Asn Lys Pro Asn Asn
219 20 25 30
221 gat ttc cat ttc gaa gtg ttc aac ttc gtg ccg tgc agc atc tgc agc 144
222 Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Cys Ser Ile Cys Ser
223 35 40 45
225 aac aac ccg acc tgc tgg gcg atc tgc aaa cgt atc ccg aac aaa aaa 192
226 Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys Arg Ile Pro Asn Lys Lys
227 50 55 60
229 ccg ggc aaa aaa acc acg acc aaa ccg acc aaa aaa ccg acc ttc aaa 240
230 Pro Gly Lys Lys Thr Thr Lys Pro Thr Lys Lys Pro Thr Phe Lys
231 65 70 75 80
233 acc acc aaa aaa gat cat aaa ccg cag acc acc aaa ccg aaa gaa gtg 288
234 Thr Thr Lys Asp His Lys Pro Gln Thr Thr Lys Pro Lys Glu Val
235 85 90 95
237 ccg acc acc aaa ccg 303
238 Pro Thr Thr Lys Pro
239 100
242 <210> SEQ ID NO: 4
243 <211> LENGTH: 101
244 <212> TYPE: PRT
245 <213> ORGANISM: Klebsiella pneumoniae
247 <400> SEQUENCE: 4
248 Thr Val Lys Thr Lys Asn Thr Thr Thr Gln Thr Gln Pro Ser Lys
249 1 5 10 15
251 Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro Pro Asn Lys Pro Asn Asn
252 20 25 30
254 Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Cys Ser Ile Cys Ser
255 35 40 45
257 Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys Arg Ile Pro Asn Lys Lys
258 50 55 60
260 Pro Gly Lys Lys Thr Thr Lys Pro Thr Lys Lys Pro Thr Phe Lys
261 65 70 75 80
263 Thr Thr Lys Lys Asp His Lys Pro Gln Thr Thr Lys Pro Lys Glu Val
264 85 90 95
266 Pro Thr Thr Lys Pro
267 100

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/936,677

DATE: 10/23/2001

TIME: 13:31:58

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10232001\I936677.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date